

Optis Technology

TROUBLESOME STRADDLE PACKER RETRIEVED

EV's memory camera provides valuable insight and visual data to assist with complex fishing operations

UNEXPECTED SETBACKS

A straddle packer was accidentally set off and stuck within the Christmas tree. After a milling operation the operator was able to retrieve the top section of the straddle packer. However after multiple fishing attempts, the operator was unable to latch onto the bottom section of the straddle packer.

RAPID MOBILIZATION

In a bid to avoid further costly failed attempts or false assumptions, the operator decided to run EV's Optis® M125 camera on slickline with Downview footage acquired to help visualise and understand the status of the fish downhole.

EV's Optis® Memory camera is the most robust and widely-used memory camera available to the industry. Through bespoke engineering and flexible, high-capacity recording time, EV provide vivid high frame rate colour video directly at the well site to support slickline conveyed well interventions. In this operation, rapid mobilization was enabled through EV's dedicated fleet of tools in the Netherlands.

The camera was run to the top of the Christmas tree where the downview camera showed the gate valve to be clean and functioning well (**Fig.1**).

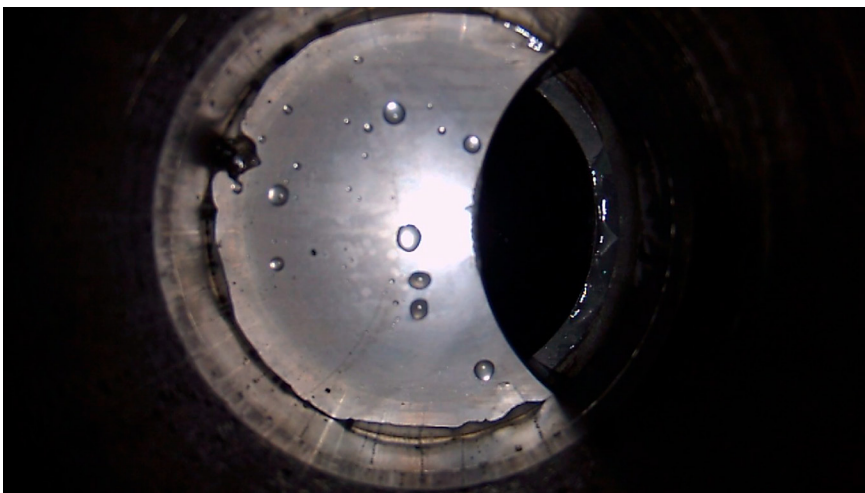


Figure 1: Downview image of Gate Valve

⚠️ THE CHALLENGE

A leading operator in the Netherlands experienced a complex fishing challenge. A straddle packer was accidentally set off and stuck within the Christmas tree. After a milling operation the operator was able to retrieve the top section of the straddle packer. However after multiple fishing attempts, the operator was unable to latch onto the bottom section of the straddle packer.

💡 THE SOLUTION

EV's Optis M125® camera was deployed on slickline with downview footage acquired to help visualise and understand the status of the fish downhole. EV provide vivid, high frame rate colour video directly at the well site to support slickline conveyed well interventions. Rapid mobilization was enabled through EV's dedicated fleet of in-country tools.

✅ THE RESULTS

The camera was run to the top of the Christmas tree where the downview camera showed the gate valve to be clean and functioning well (**Fig.1**). Immediately below the gate valve, the downview camera revealed the location of the stuck straddle packer, and that fragments of the rubber sealing element appeared to have broken away from the straddle packer assembly (**Fig.2**). It was suspected that the rubber seal fragments located on top of the straddle packer mandrel were preventing the fishing tool from engaging correctly and were responsible for the multiple failed fishing attempts (**Fig.3**). The operator was able to design a customised fishing tool, which successfully retrieved the fish on the next run, thereby restoring the well.

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It was suspected that the rubber seal fragments located on top of the straddle packer mandrel were preventing the fishing tool from engaging correctly and were responsible for the multiple failed fishing attempts. (**Fig.3**).

With visual confirmation of fish location and status attained, and a clear understanding of the problem provided, the operator was able to design a customised fishing tool, which successfully retrieved the fish on the next run, thereby restoring the well.

HIGH VALUE SOLUTIONS

The visual information provided by Optis technology eliminates the risks of repeated failed fishing attempts due to unknown conditions, or false assumptions, saving operators valuable time and money.

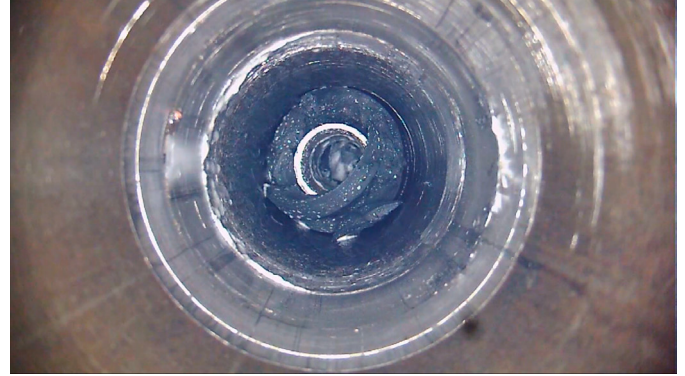


Figure 2: Location of Stuck Straddle Packer



Figure 3: Rubber Seal Fragments Preventing Fishing Attempts